mRNA.

. . . .

An neuropathic RNA element that produces motor neuron degeneration comprising a wild-type neurofilament L

- 2. A method of identifying specific components of RNAprotein complexes that can be used to prevent motor neuron degeneration comprising:
 - a) expressing the neuropathic element of claim 1 in a first population of neuronal cells or tissues;
- b) contacting said first population of neuronal cells or tissues with a candidate component of a RNA-protein complex;
- c) determining a first level of neuropathic effects in said first population of cells or tissues where the candidate
 component of a RNA-protein complex has been expressed;
 - d) determining a second level of neuropathic effects in a second population of neuronal cells or tissues that lack expression of the candidate component of the RNA-protein complex; and
- e) comparing the level of neuropathic effects in said first and second population of cells or tissues, wherein a decrease in the level of neuropathic effects is indicative of the ability of the candidate component of the RNA-protein complex to prevent motor neuron degeneration.